

For Research Use Only

STIP1 Monoclonal antibody

Catalog Number: 68155-1-Ig



Basic Information

Catalog Number: 68155-1-Ig	GenBank Accession Number: BC002987	Purification Method: Protein G purification
Size: 150ul, Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 10963	CloneNo.: 1B5H2
Source: Mouse	UNIPROT ID: P31948	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:500-1:2000 IF/ICC 1:400-1:1600
Isotype: IgG1	Full Name: stress-induced-phosphoprotein 1	
Immunogen Catalog Number: AG7851	Calculated MW: 63 kDa	
	Observed MW: 61 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, FC (Intra), IP, ELISA	Positive Controls: WB : A549 cells, LNCaP cells, HeLa cells, HepG2 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells IP : HeLa cells, Jurkat cells IHC : mouse liver tissue, IF/ICC : HeLa cells,
Species Specificity: human, mouse, rat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

STIP1, also named as Hop and NY-REN-11. Its expression is low in the hypothalamus. STIP1 has some isoforms with MW 62 kDa, 68 kDa and 59 kDa. Acts as a co-chaperone for HSP90AA1. Mediates the association of the molecular chaperones HSPA8/HSC70 and HSP90. Probably forms a complex composed of chaperones HSP90 and HSP70, co-chaperones STIP1/HOP, CDC37, PPP5C, PTGES3/p23, TSC1 and client protein TSC2. STIP1 interacts with PACRG, EEF1AKMT3, FLCN, FNIP1 and FNIP2 (PMID:24880080).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

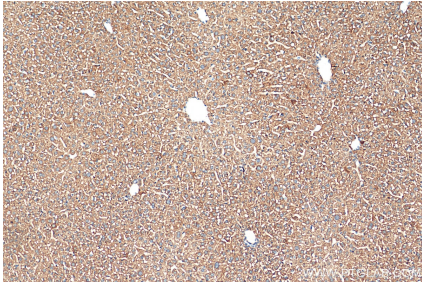
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

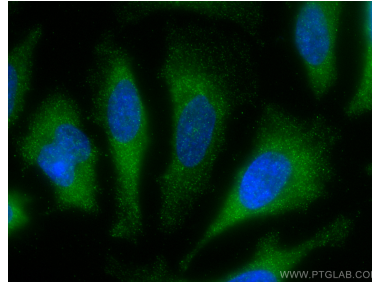
E: proteintech@ptglab.com
W: ptglab.com

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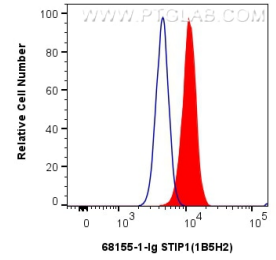
Selected Validation Data



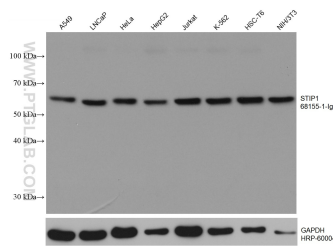
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 68155-1-Ig (STIP1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



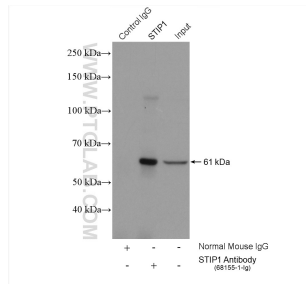
Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using STIP1 antibody (68155-1-Ig, Clone: 1B5H2) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



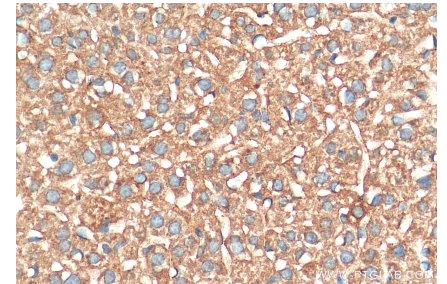
1×10^6 MCF-7 cells were intracellularly stained with 0.4 ug STIP1 Monoclonal antibody (68155-1-Ig, Clone: 1B5H2) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.4 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Various lysates were subjected to SDS PAGE followed by western blot with 68155-1-Ig (STIP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



IP result of anti-STIP1 (IP:68155-1-Ig, 5ug; Detection:68155-1-Ig 1:1000) with HeLa cells lysate 1880 ug.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 68155-1-Ig (STIP1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).